IN THE CLAIMS

Claims 1-10 (Cancelled).

11. (Currently amended) A fixture shaped and configured to be screwed firmly into bone tissue, said fixture comprising:

a generally cylindrical anchoring portion formed with an insertion end and having an external screw thread, a cavity which opens out at said insertion end, and ~~a number of~~ three through-penetrating slots extending from said insertion end, wherein each slot connects the cavity with the outside of said anchoring portion and wherein each slot is defined by a leading slot wall and a trailing slot wall where said leading and trailing slot walls relate to the direction of rotation defined by said screw thread when screwing in the fixture, wherein at least the radially outermost part of said trailing slot wall defines an angle α with the radial direction and slopes obliquely forwardly from within and outwardly in said direction of rotation, the angle α being 20°-40° at the radially outer end of the trailing slot wall.

12. (Previously presented) The fixture according to claim 11, wherein the whole of the trailing slot wall defines the same angle α.

13. (Previously presented) The fixture according to claim 12, wherein said leading slot wall also slopes obliquely forward from within and outward in said direction of rotation.

14. (Previously presented) The fixture according to claim 13, wherein said leading and trailing slot walls are parallel with one another.

15. (Cancelled)

16. (Previously presented) The fixture according to claim 12, wherein the angle α is 20°-40° at the radially outer end of the trailing slot wall.

17. (Previously presented) The fixture according to claim 13, wherein the angle α is 20°-40° at the radially outer end of the trailing slot wall.

18. (Previously presented) The fixture according to claim 14, wherein the angle α is 20°-40° at the radially outer end of the trailing slot wall.

19. (Previously presented) The fixture according to claim 11, wherein the angle α is 27°-33° at the radially outer end of the trailing slot wall.

20. (Previously presented) The fixture according to claim 12, wherein the angle α is 27°-33° at the radially outer end of the trailing slot wall.

21. (Cancelled)

22. (Previously presented) The fixture according to claim 12, wherein the slots are 3-10 in number.

23. (Previously presented) The fixture according to claim 15, wherein the slots are 3-10 in number.

24. (Previously presented) The fixture according to claim 11, wherein the slots are 5-7 in number.

25. (Previously presented) The fixture according to claim 12, wherein the slots are 5-7 in number.

26. (Previously presented) The fixture according to claim 15, wherein the slots are 5-7 in number.

27. (Previously presented) The fixture according to claim 11, wherein the cavity is circular in cross-section and widens conically in a direction toward said insertion end.

28. (Previously presented) The fixture according to claim 12, wherein the cavity is circular in cross-section and widens conically in a direction toward said insertion end.

29. (Previously presented) The fixture according to claim 13, wherein the cavity is
2 circular in cross-section and widens conically in a direction toward said insertion end.

30. (Previously presented) The fixture according to claim 11, wherein the slot width
2 at the radially outer end of said slot corresponds to 15-35% of the peripheral distance between two slots on the outside of the fixture.

31. (Previously presented) The fixture according to claim 12, wherein the slot width
2 at the radially outer end of said slot corresponds to 15-35% of the peripheral distance between two slots on the outside of the fixture.

32. (Previously presented) The fixture according to claim 13, wherein the slot width
2 at the radially outer end of said slot corresponds to 15-35% of the peripheral distance between two slots on the outside of the fixture.

33. (Previously presented) The fixture according to claim 27, wherein the slot width
2 at the radially outer end of said slot corresponds to 15-35% of the peripheral distance between two slots on the outside of the fixture.

34. (Previously presented) The fixture according to claim 11, wherein that the fixture
2 is made of titanium.

35. (Cancelled)